

Patent claims

1. Method of foaming steel-making slags, wherein calcium nitrate is added to the slag alone or together with carbon.
 2. Method according to claim 1, wherein calcium nitrate alone or mixed with carbon is injected into the slag with injection gases such as air, nitrogen, carbon dioxide or inert gases.
 3. Method according to claim 2, wherein the solid components are injected separately or with the same lance or injected as pre-fused granules.
 4. Method according to claim 1, wherein calcium nitrate alone or mixed with carbon is added from above the melt.
 5. Method according to claim 1 -4, wherein the ratio between calcium nitrate and carbon is in the range from 4:1 to 2:1.
 6. Method of foaming of stainless steel slag, wherein FeSi, Al or Mg is added before calcium nitrate and carbon is added or injected into the slag by an injection gas.
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7. Method according to claim 6, wherein air, nitrogen, carbon dioxide or inert gases are used as injection gases.
 8. Use of calcium nitrate as a foaming agent for steel-making slags.

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